

STATUS OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-18 (Canceled)

19. (Previously Presented) A combination aspirating probe, probe tip, and pump as defined in claim 22, wherein one of said end cavities is defined by a wall portion removably mounted on a wall defining said middlemost cavity.

20. (Previously Presented) A combination aspirating probe, probe tip, and pump as defined in claim 22 or 19, wherein the inside diameter of at least one of said end cavities is at least equal to three times the value of the smaller of said differently valued inside diameters.

21. (Previously Presented) A combination aspirating probe, probe tip, and pump as claimed in claim 22, wherein both transition zones of the middlemost cavity are formed by a variance of said inside diameter that increases in value as the middlemost cavity is transited outward into each of said other two end cavities.

22. (Currently Amended) A combination aspirating probe, probe tip, and pump, comprising:

a probe tip for mixing liquids within the tip after aspiration of the liquids therein, said tip comprising:

an end portion adapted to engage an aspirating probe,

a wall defining three connected cavities of unequal inside diameters, a compartment being formed by a middlemost cavity sandwiched as a

middle compartment between the other two cavities which form end compartments, each two adjacent cavities being connected by a relatively sharp demarcation transition zone wall having a radius of curvature of less than 25 microns and said inside diameters being sufficiently unequal in said adjacent two cavities as to cause rotational mixing of liquids as they move past said transition zone wall,

wherein said transition zones of the middlemost cavity is formed by a variance of said inside diameter that increases in value as the middlemost cavity is transited outward into said other two end cavities;

an aspirating probe, wherein the probe tip is adapted to fit onto the end of the aspirating probe; and

a pump for creating a partial pressure or vacuum.

23. (Previously Presented) A combination aspirating probe, probe tip, and pump as claimed in claim 22, wherein the pump is a piston and piston cylinder pump.